SHARP Service Manual

MODEL SG-155H

MODEL SC-153H

SHARP CORPORATION OSAKA, JAPAN

FM/AM/FM STEREO RECEIVER WITH CASSETTE RECORDER AND SPEAKER SYSTEMS (SC-153H)
FM/AM/FM STEREO RECEIVER WITH CASSETTE RECORDER WITH RECORD PLAYER AND SPEAKER SYSTEMS (SG-155H)

GENERAL SPECIFICATIONS

Circuit:	FM/AM 2-band superheterodyne system 4-channel stereo tuner-amplifier with FM multiplex circuit with AGC and AFC with cassette tape recorder. (SC-153H) FM/AM 2-band superheterodyne system 4-channel stereo tuner-amplifier with FM multiplex circuit with AGC and AFC with cassette tape recorder and record player. (SG-155H)
Power source:	110/220/240V, 50Hz
Power consumption:	30 watts
Speakers:	Woofer 8" P.D.S. 8 ohm x 2 Tweeter 2-3/8" P.D.S. 8 ohm x 2
Semiconductors:	20-transistor, 2-IC, 24-diode
Dimensions: (Main unit)	18-7/8" (W) x 11-7/16" (D) x 5-1/4" (H) (SC-153H) 24-13/16" (W) x 15-3/16" (D) x 7-1/2" (H) (SG-155H) 478mm(W) x 290mm(D) x 133mm(H) (SC-153H) 630mm(W) x 387mm(D) x 190mm(H) (SG-155H)
(Speaker enclosure)	12" (W) x 8" (D) x 20" (H) x 2
Weight: (Main unit)	13.2 lbs. (SC-153H) 26.7 lbs. (SG-155H)
(Speaker enclosure)	11 lbs.
Input circuitry:	Microphone jack, 300 ohm x 2 Auxiliary input jack, 220K ohm x 2 Phono input jack (ceramic), 1 Meg ohm x 2 (SC-153H) FM antenna terminals
Output circuitry:	Headphones output jack, 8 ohm x 1 Speaker output jack (main) 8 ohm x 2 Speaker output jack (remote) 8 ohm x 2 Recorder output jack, 3K ohm x 2

FM SECTION

Frequency coverage:	87.6 – 106 MHz
Maximum sensitivity:	5μV
IF Rejection:	60dB
Image rejection:	32dB
Harmonic distortion:	1%

FM STEREO SECTION

Stereo separation:	26dB
Stereo indicator lighting level:	20μV
Harmonic distortion:	2.5%

MW SECTION

Frequency coverage:	520 – 1620kHz
Maximum sensitivity:	100μV/m
IF Rejection:	28dB
Image rejection:	36dB
AGC Figure of merit:	45dB
Harmonic distortion:	3%

AUDIO SECTION

Total music-power output:	8W	
Distortion at 500mW:	1%	
Frequency response:	40Hz – 20kHz	
Hum and noise level:		
Residual volume		2mV
Maximum volume	Phono (ceramic)	20mV
	Tape	30mV
Sensitivity for rated output:		
Phono (ceramic)	250mV	
Auxiliary	320mV	
Channel separation:	40dB	
Tone characteristics:		
Bass boost at 100Hz	+8dB	
Cut at 100Hz	–13dB	
Treble boost at 10kHz	+8dB	
Cut at 10kHz	–10dB	
Recording output level:	300mV	

TAPE RECORDER SECTION

Type: 4-track, 2-channel stereo cassette tape recorder
Tape: Philips standard compact cassette tape

Tape speed:	1-7/8 ips 4.8 cm/sec
Record/Playback time:	60 minutes (C-60)
Recording system:	AC bias 53.5kHz
Erasing system:	DC erasing
Wow & flutter:	0.4% W.R.M.S.
Fast Forward & rewind time:	85 seconds (C-60)
Frequency response:	60Hz to 8,000Hz
Distortion:	4%
Signal to noise ratio:	46dB
Channel separation:	30dB
Erase ratio:	57dB

RECORD PLAYER SECTION (SG-155H)

Type:	Rim drive semi-automatic
Motor:	AC110V, 50Hz 2 pole induction
Speed:	33-1/3, 45 r.p.m.
Pick up:	Static balancing
Cartridge:	Ceramic with Sapphir stylus

DISASSEMBLY

TAPE PLAYER BLOCK REMOVAL

1. Remove 4 screws (LX-BZ3001SEFD) holding mechanism chassis to cabinet.
2. Lift up mechanism chassis from cabinet.
3. Disconnect two plugs connected to printed wiring board of the set.
4. The mechanism chassis can now be removed.

RECORD PLAYER BLOCK REMOVAL (SG-155H)

1. Remove dust cover by sliding it.
2. Remove 2 screws (LX-BZ0004SGFD) clamping player board.
3. Set the speed selector to "OFF" position.
   Loosen screws of board clamp brackets (2 PCS) on the player board, then slide the brackets in the direction of turntable spindle.
4. Raise front part of the player board.
   At the time, be carefull that the player brackets and cabinet are not get out of joint.
5. Pull out the connection plug from the sockets on the Printed Wiring Board.
6. The player bracket can be removed.

CHASSIS REMOVAL (SC-153H)

1. Remove mehcanism chassis as described in TAPE PLAYER BLOCK REMOVAL.
2. Remove 5 screws (LX-BZ3001SEFD) retaining the chassis.
3. Gently pull out the chassis while holding both sides.
4. The chassis can now be removed.

CHASSIS REMOVAL (SG-155H)

1. Remove mechanism chassis as described in TAPE PLAYER BLOCK REMOVAL and RECORD PLAYER BLOCK REMOVAL.
2. Remove 4 screws (XBBBB30P08000) retaining the terminal chassis.
3. Remove 5 screws (LX-BZ3001SEFD) retaining the chassis.
4. Remove 1 screw (XMMSD31P10000) retaining the antenna brackets.
5. Remove 1 screw (XBBSD30P20000) retaining the bracket holder.
6. Gently pull out the chassis while holding both sides.

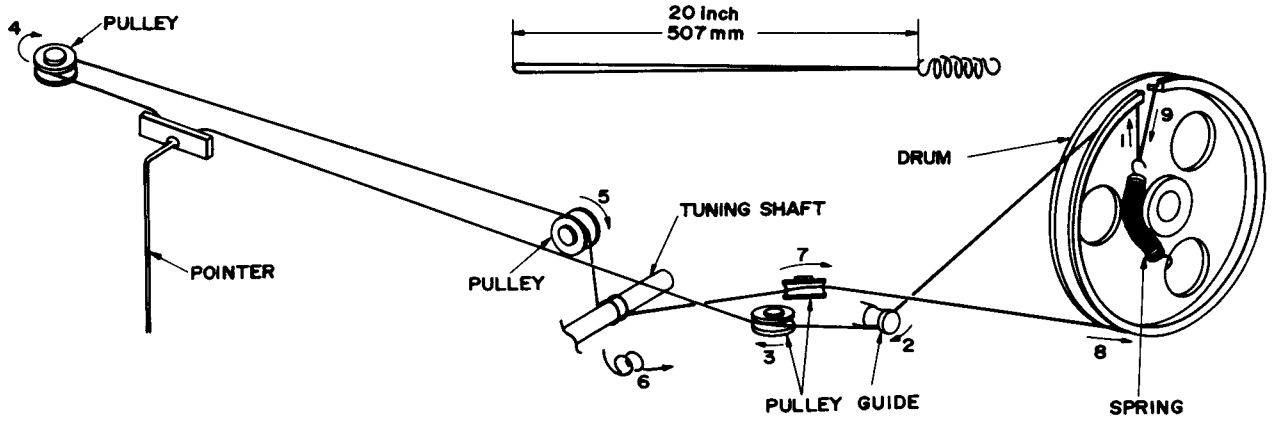


Figure 1 DIAL CORD STRINGING

MECHANICAL ADJUSTMENT

FLYWHEEL THRUST CLEARANCE ADJUSTMENT (Refer to Figure 2)

Slowly tighten the screw for flywheel thrust clearance until the thrust clearance becomes 0(Zero) and loosen the screw by 1/4 turn from this point. (Since screw's pitch is 0.5 mm, thrust clearance of about 0.125 mm is produced.)

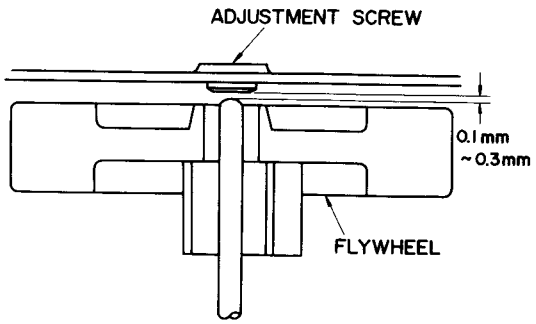


Figure 2

PRESSURE ROLLER PRESSURE ADJUSTMENT (Refer to Figure 3)

1. Set the unit in playback mode.
2. Hook the tension gauge at the pressure roller lever.
3. Read the gauge when the pressure roller separates from the capstan about 0.5 mm distance.
4. The pressure roller pressure should be 400~600 gr.

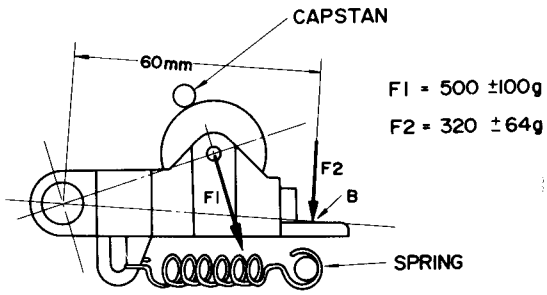


Figure 3

■ TORQUE CHECK (Refer to Figure 4)

1. Set the torque measuring reel to the turntable (to the take-up side at PLAY or FAST FWD mode and to the supply side at REWIND mode).
2. Then, rotate the reel in the same direction as for turntable and read the torque value when the pointer is stabilized

MODE	TORQUE VALUE
PLAY	45±15 g.cm
FAST FWD	80±20 g.cm
REWIND	90±30 g.cm

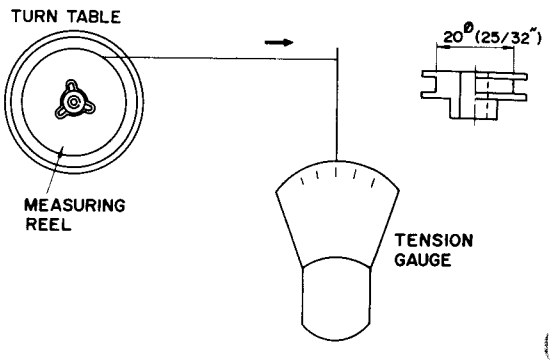


Figure 4

ELECTRICAL ADJUSTMENT

■ RECORD BIAS FREQUENCY ADJUSTMENT (Refer to Figure 5)

1. Connect the resistor of 100 ohm (1/4W, ±5%) in between the record/playback head terminal and the lead wire (white) and then connect the V.T.V.M to the both sides.
2. Set the unit at "RECORD" mode.
3. Then, connect the frequency counter to the output terminal of the V.T.V.M and adjust the oscillation coil (L401) so that the bias oscillation frequency becomes 53.5 KHz.

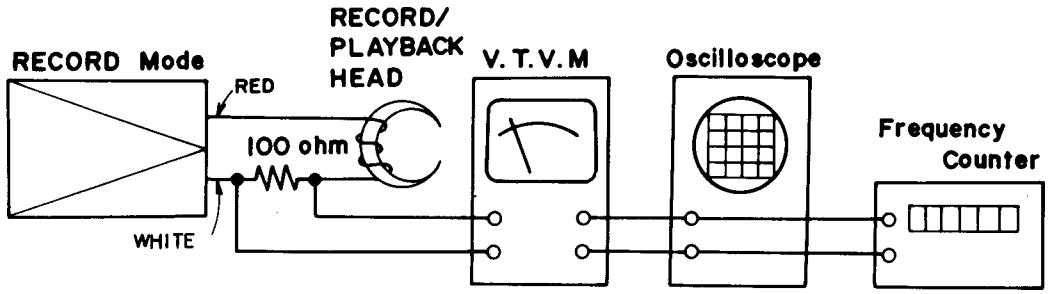


Figure 5

■ RECORD/PLAYBACK HEAD AZIMUTH ADJUSTMENT (Refer to Figure 6)

1. Connect 8 ohm dummy resistor to the Speaker output terminal (SO 2) and connect the V.T.V.M to its ends.
2. Insert the test tape (TEAC MTT-113B, 250PWB/mm, -10dB, 8KHz).
3. Adjust the adjusting screw so that the playback output voltage of test tape becomes maximum in both sides.

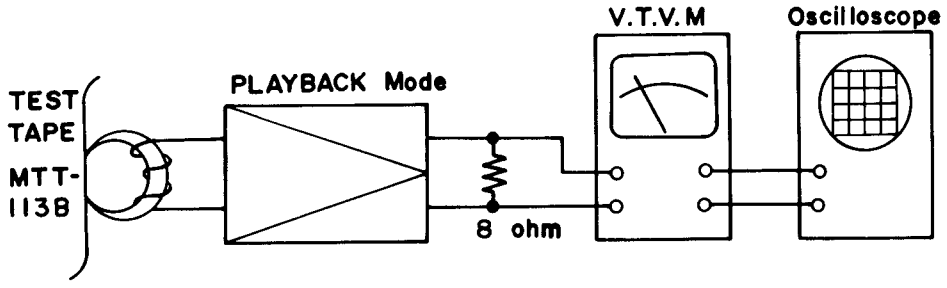


Figure 6

ALIGNMENT INSTRUCTIONS

Alignment is an exacting procedure and should be undertaken only when necessary.
If alignment of AM and FM is required, either section may be done first.
The FM stereo section, however, should be done only if the FM monaural section is properly adjusted.
Notes: Don't use a metallic screw driver.

REQUIRED EQUIPMENT:

1. Signal generator with a frequency range of 455 kHz to 1650 kHz: AM
2. Signal generator with a frequency range of 86.5 MHz to 108.5 MHz: FM
3. Signal generator with a frequency output of 10.7 MHz±0.5 MHz: FM
4. Vacuum tube voltmeter (AC-VTVM)
5. Sweep signal generator with a sweep range of at least 500 kHz and center frequency of 10.7 MHz with at least a 10.7 MHz marker. (Ext. Marker may be used.)
6. Oscilloscope with a wide range amplifier of approximately 100 kHz
7. Test loops, a coil of any size wire, one turn or more.
8. FM stereo signal generator.
9. Audio signal generator with a frequency of 20 Hz to 100 KHz.

Notes: Allow the set at least five minutes to warm up before attempting alignment. During alignment keep the signal generator output at the lowest level that will maintain a usable output from the set, except for FM stereo signal generator. Take much care, lest the grounding of FM sweep signal generator input should make multipaths which made FM IF alignment incorrect. To avoid this the grounding lead may be connected through 0.01–0.04 MFD capacitor to the tuner chassis when sweep generator is connected to the tuner section.

Ground connection of signal generator TP105
Generator modulation(AM) 30%, 400Hz
Generator modulation(FM) . . . . . 22.5kHz, 400 Hz
Generator modulation(FM stereo) . . . . . CH.L. or CH.R. 11.25kHz, 1000Hz Mod.

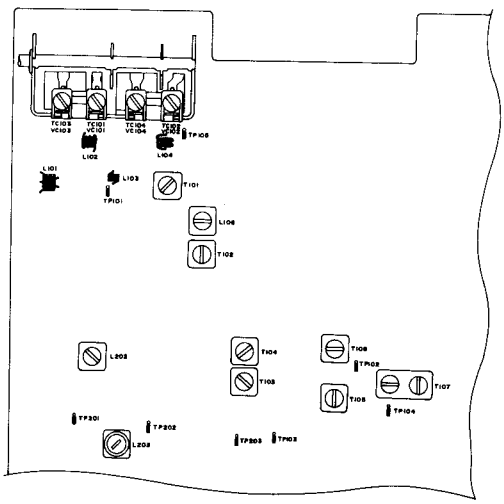


Figure 7 AM/FM/FM MPX ALIGNMENT POINTS

ALIGNMENT PROCEDURE

AM ALIGNMENT (Refer to Figure 7 and 8)

PROCEDURE NUMBER		SIGNAL GENERATOR		DIAL POINTER SETTING	FUNCTION SETTING	METER CONNECTION	ADJUSTMENT	REMARKS
		CONNECTION	FREQUENCY					
1 (IF)		Thru 0.01 MFD to Q103 base as small as possible	455kHz (sweep)	High end of Dial	AM	Oscilloscope connected to TP103.	T102 T104 T106	Adjust for maximum output. Repeat 2 or 3 times.
2	Band Coverage	Radiated Signal as small as possible	515kHz Modulated	Low end of Dial	AM	VTVM connected to TP103	Oscillator coil L106	Same as above
3		Radiated Signal as small as possible	1650kHz Modulated	High end of Dial	AM	Same as above	Oscillator Trimmer TC104	Same as above
4	Tracking	Radiated Signal as small as possible	1400kHz Modulated	1400kHz	AM	Same as above	Tuning Trimmer TC103	Same as above
5		Radiated Signal as small as possible	600kHz Modulated	600kHz	AM	Same as above	Antenna coil L105	Same as above
6		If necessary, repeat step 2-step 5.						

However, as for the set of SUK, adjust IF to 465 kHz.

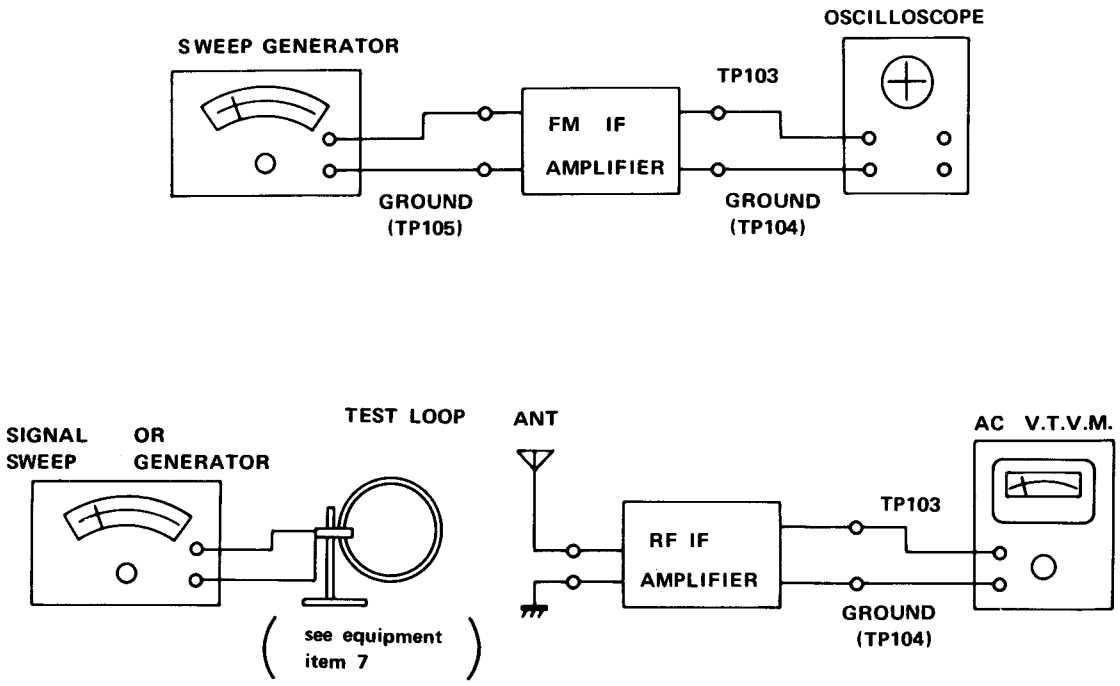


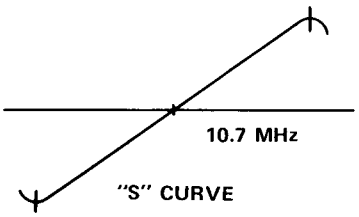
Figure 8 AM ALIGNMENT EQUIPMENT CONNECTIONS

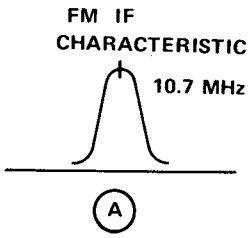
FM IF ALIGNMENT (Refer to Figure 7 and 9)

PROCEDURE NUMBER	SIGNAL GENERATOR		DIAL POINTER SETTING	FUNCTION SETTING	SCOPE CONNECTION	ADJUSTMENT	REMARKS
	CONNECTION	FREQUENCY					
1	Detune T107 completely.						
2	Thru 10 PFD to TP-101.	10.7MHz ±300kHz	High end of Dial	FM	TP102	T101 T103 T105	Set curve at maximum as shown in the Figure A Repeat 2 or 3 times.
3	Same as above	10.7MHz ±400kHz	High end of Dial	FM	TP203	T107	Adjust "S" curve at maximum. Adjust 10.7MHz at the center of "S" curve.
4	Repeat adjustments to obtain "S" curve as shown in Figure.						

■ PRECAUTIONS ON DETUNING

Turn the core of T107 two or more times.





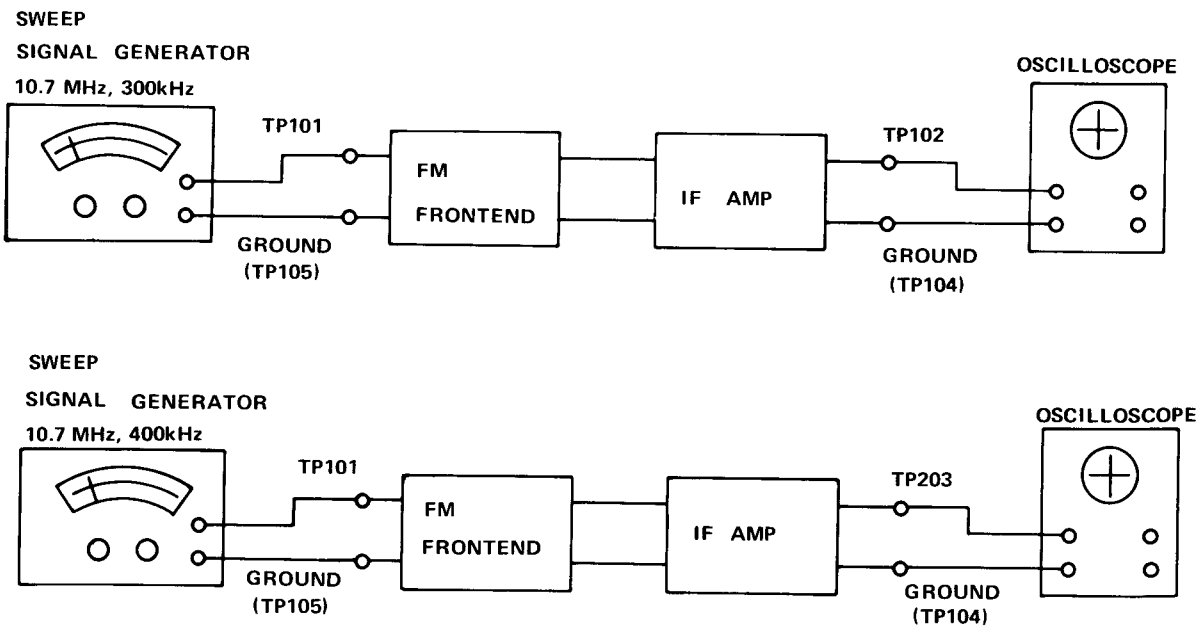


Figure 9 FM IF ALIGNMENT EQUIPMENT CONNECTIONS

FM RF ALIGNMENT (Refer to Figure 10 and 11)

PROCEDURE NUMBER		SIGNAL GENERATOR		DIAL POINTER SETTING	FUNCTION SETTING	METER CONNECTION	ADJUSTMENT	REMARKS
		CONNECTION	FREQUENCY					
1	Band Coverage	FM-ANT Terminal (through 300ohm matching pad)	106MHz Modulated	High end of Dial	FM	TP203	Oscillator Trimmer TC102	Adjust for maximum output.
2		Same as above	88MHz Modulated	Low end of Dial	FM	Same as above	Oscillator Coil L104	Same as above
3	Tracking	Same as above	104MHz Modulated	104MHz	FM	Same as above	RF Trimmer TC101	Same as above
4		Same as above	90MHz Modulated	90MHz	FM	Same as above	RF Coil L102	Same as above
5		If necessary, repeat step 1-step 4.						

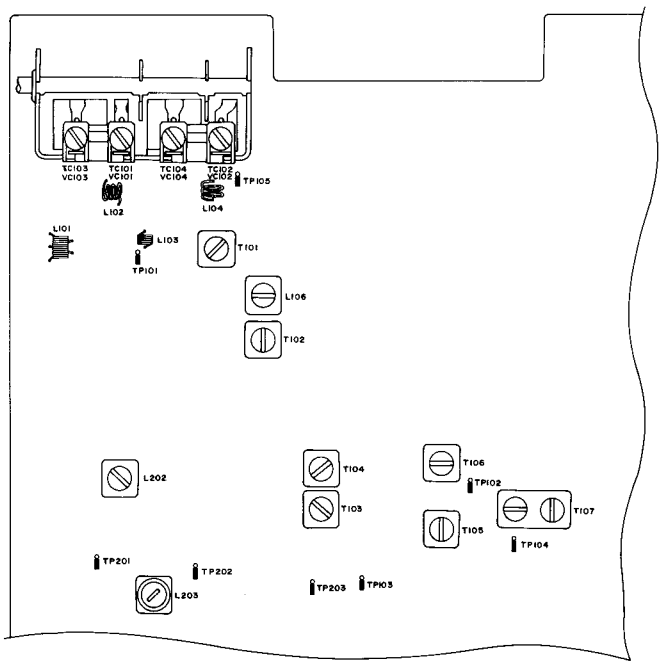


Figure 10 FM ALIGNMENT POINTS

THE INSTRUCTION OF FREQUENCY ADJUSTMENT

In order to comply with FTZ rule Nr. 358 S757, please fix the low end of dial frequency (87.5MHz) and the high end of dial frequency (107.9MHz) on FM band, by adjusting oscillation coil (L104) and oscillation trimmer (TC102), respectively, as illustrated in Figure 10.

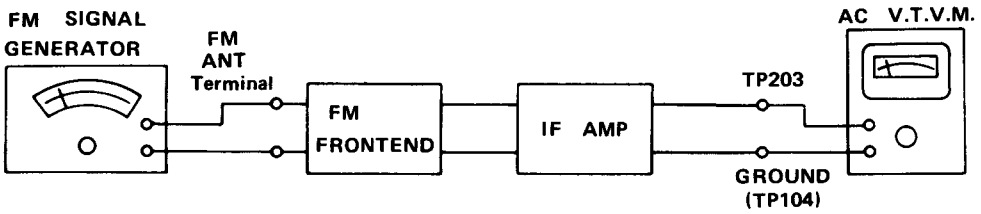


Figure 11 FM RF ALIGNMENT EQUIPMENT CONNECTIONS

FM STEREO ALIGNMENT (Refer to Figure 12)

PROCEDURE NUMBER	STEREO SIGNAL GENERATOR		TUNING FREQUENCY	FUNCTION SETTING	METER CONNECTION	ADJUSTMENT	REMARKS
	CONNECTION	MOD. FREQUENCY					
1	FM-ANT	19KHz Mod. level as small as possible	98MHz	FM stereo	TP201 (Sensitivity Max.)	L202	Get the maximum point. Repeat 2 or 3 times.
2	FM-ANT	19KHz 10% Mod.	98MHz	FM stereo	TP202	L203	Get the maximum point.
3	FM-ANT	400Hz Ch. L only	98MHz	FM stereo	Across Ch. L Output Load (SO3)	T201, T202 (Readjust)	Get the maximum output point.

Note: Output level of FM Signal Generator which is modulated by a FM Stereo Signal Generator shall be 1 mV. (60 dB).

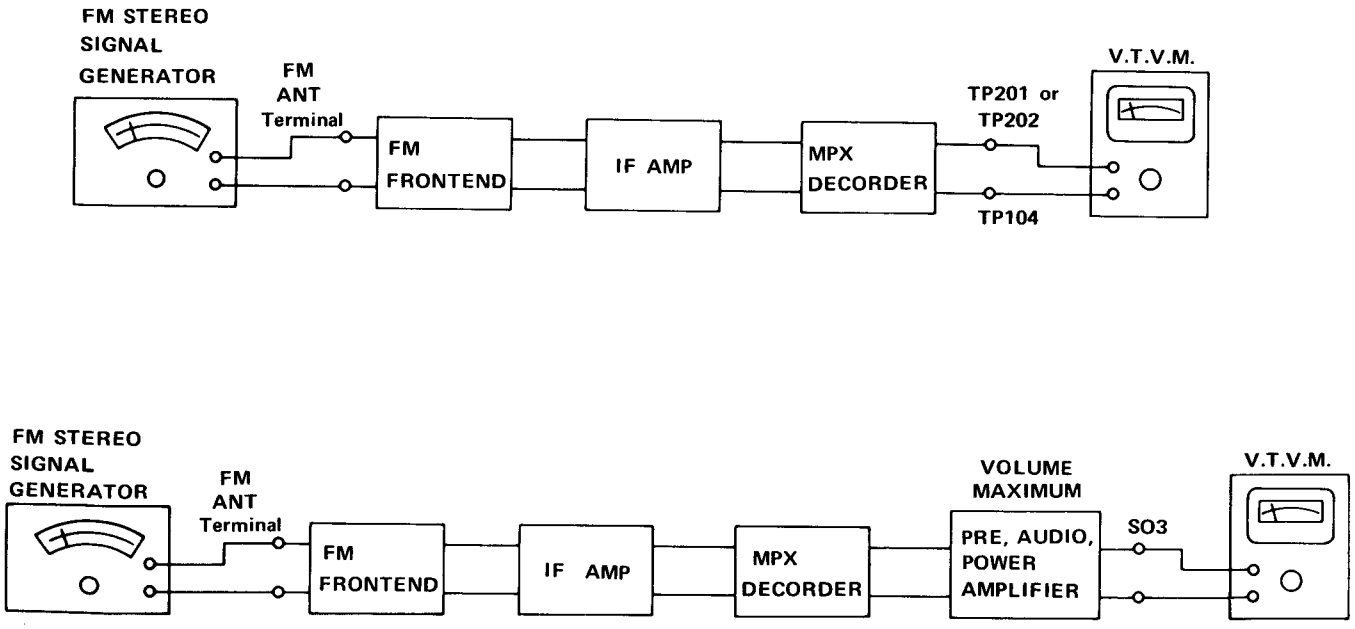


Figure 12 FM STEREO ALIGNMENT EQUIPMENT CONNECTIONS

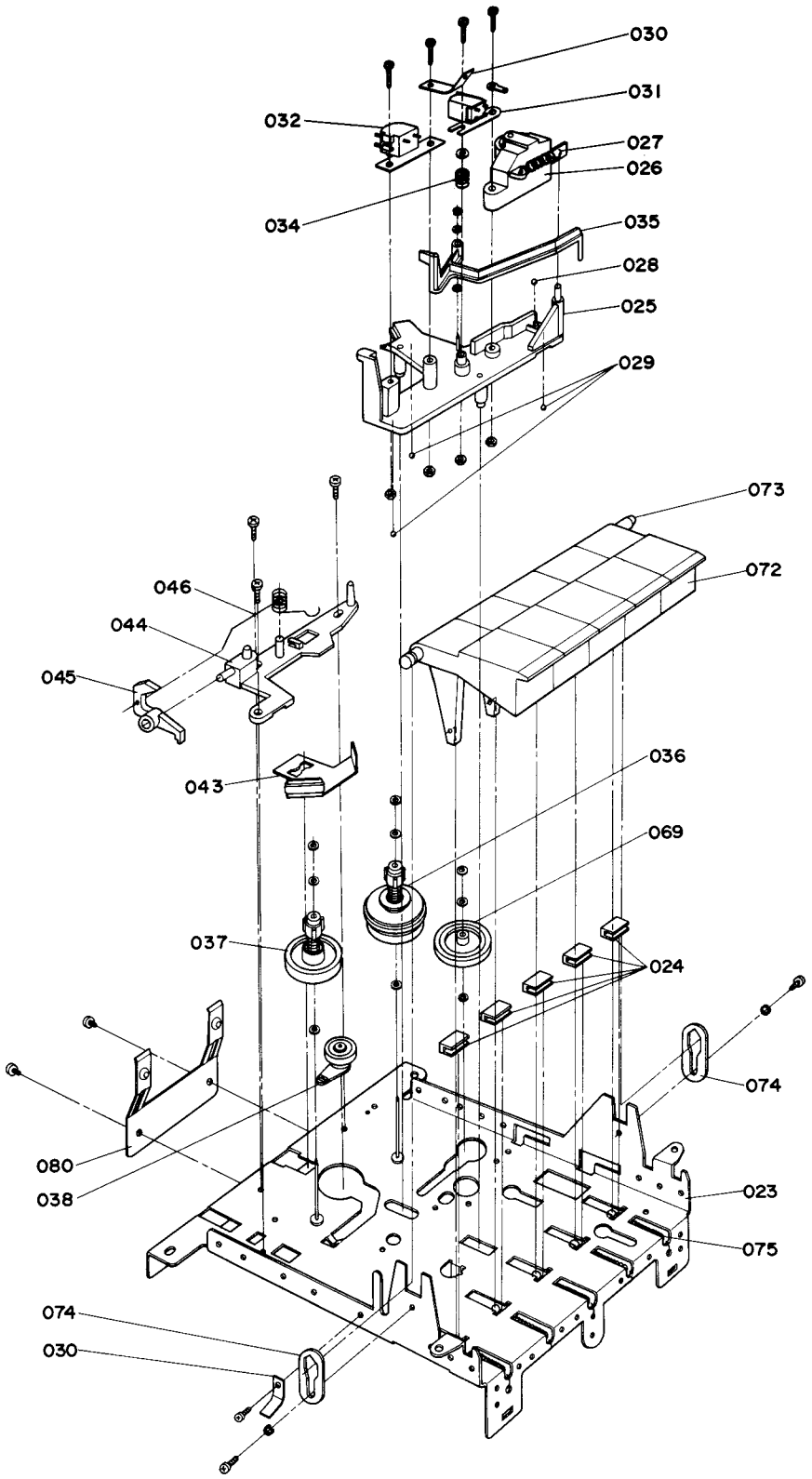


Figure 13 MECHANISM EXPLODED TOP VIEW

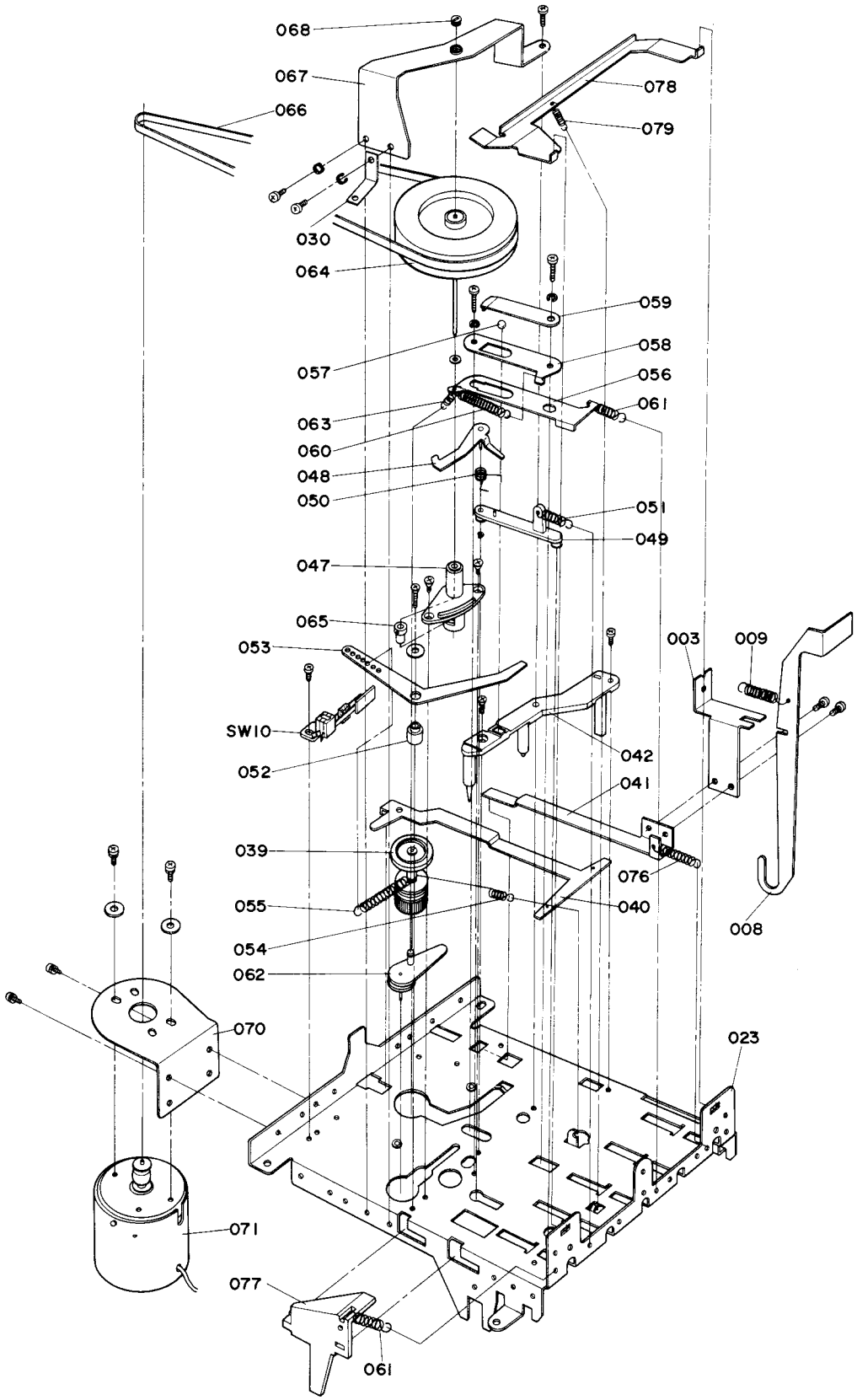


Figure 14 MECHANISM EXPLODED BOTTOM VIEW

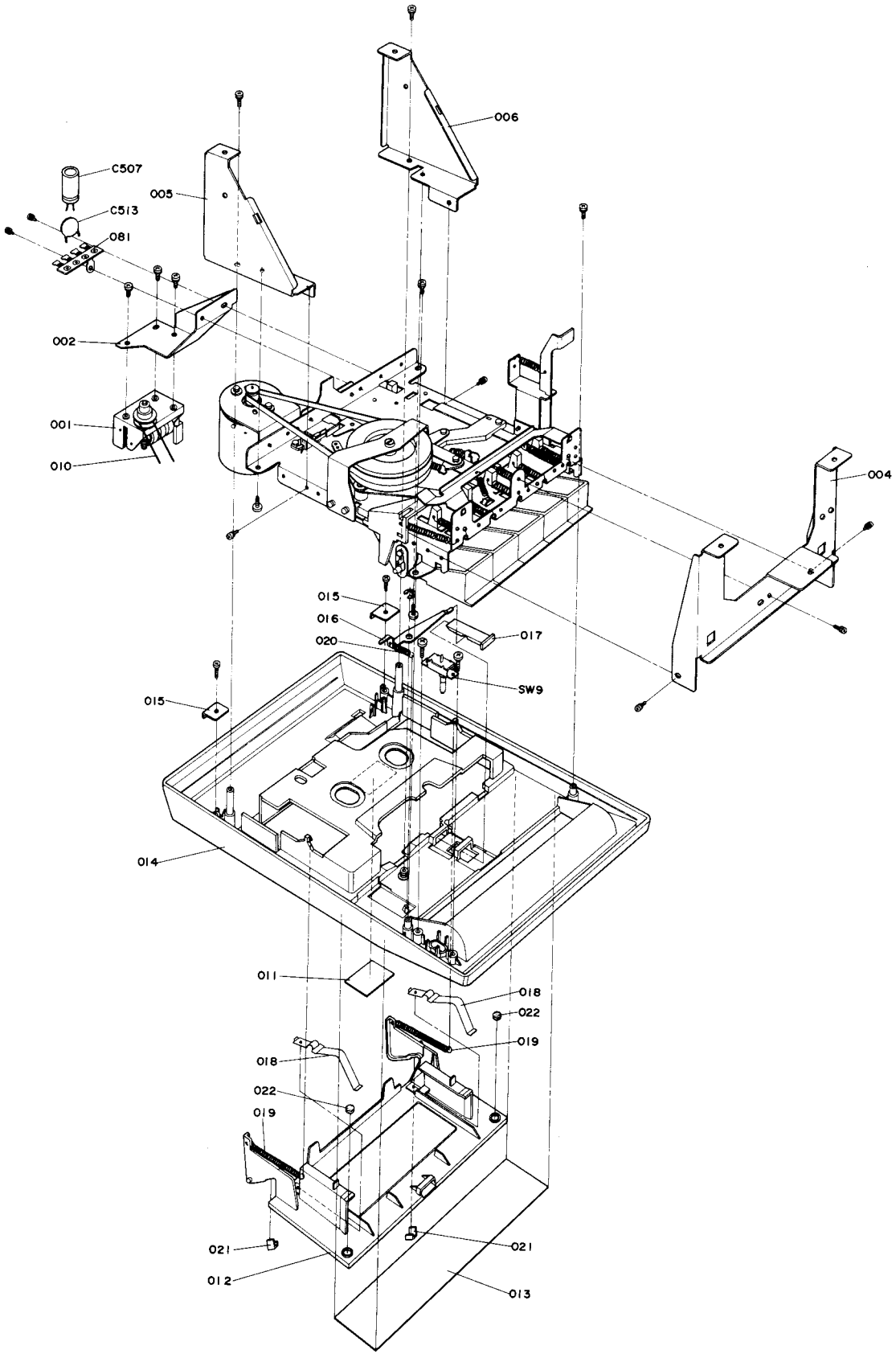


Figure 15 CABINET EXPLODED BOTTOM VIEW

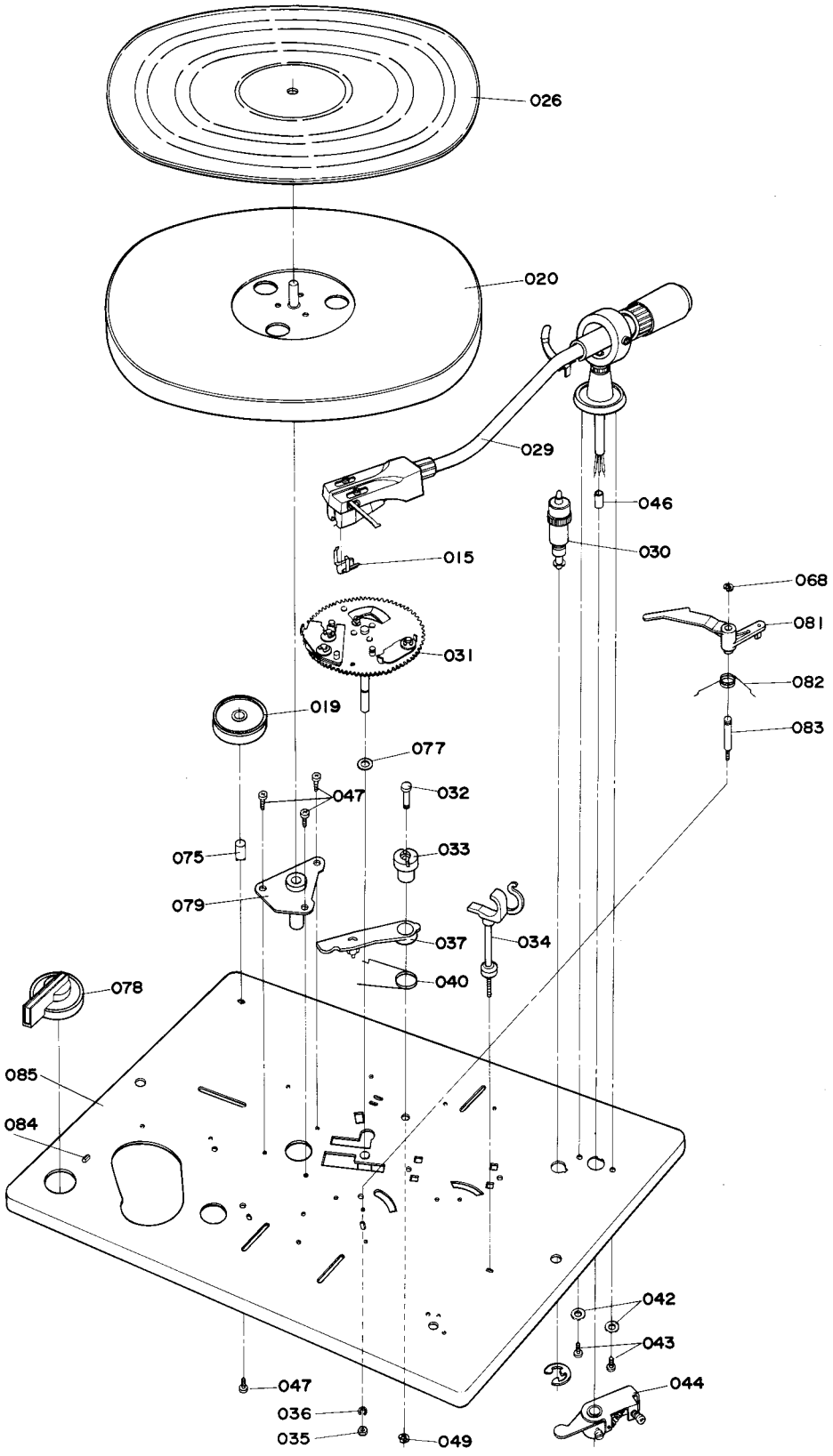


Figure 16 PLAYER MECHANISM EXPLODED TOP VIEW (SG-155H)

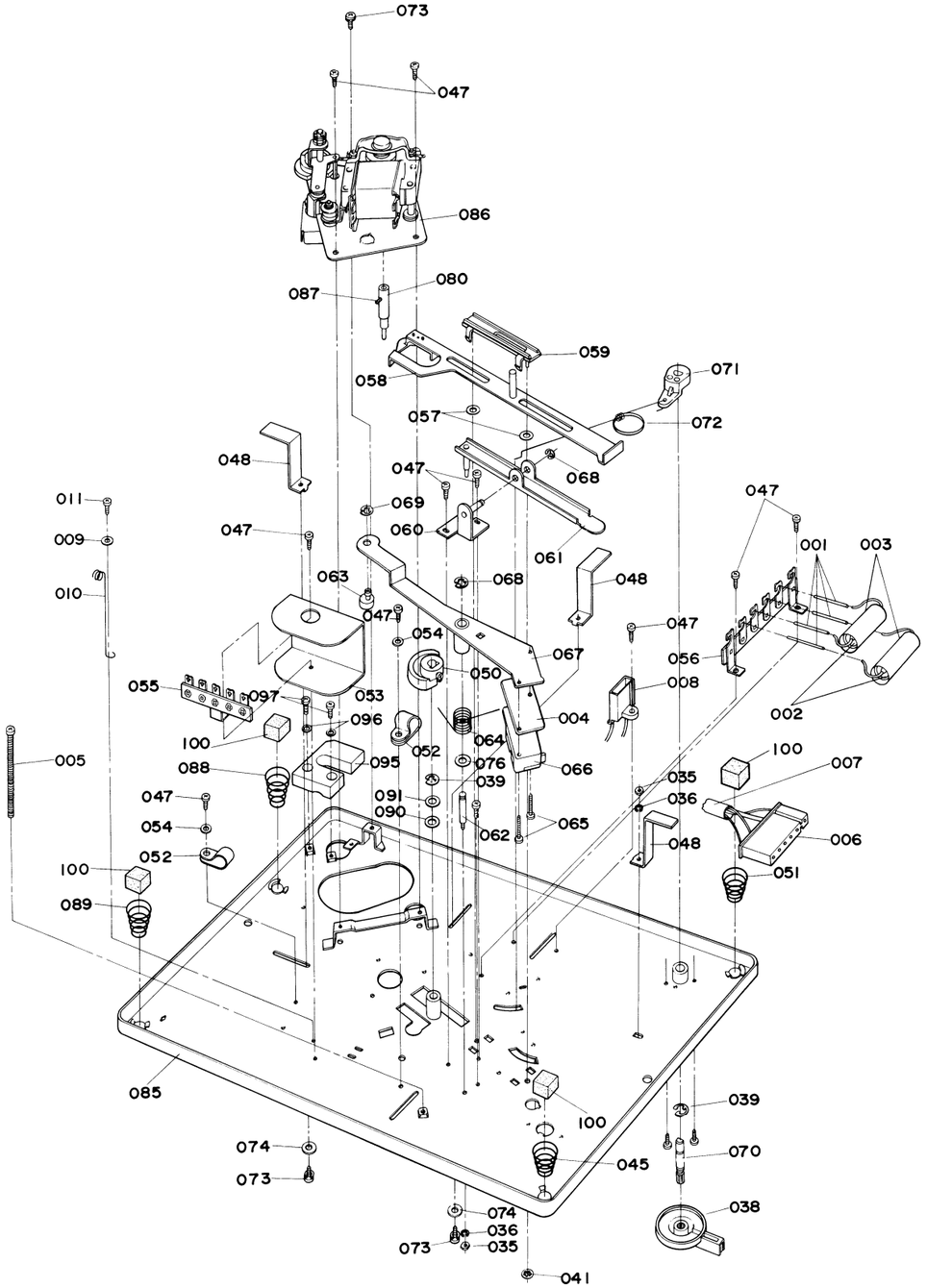


Figure 17 PLAYER MECHANISM EXPLODED BOTTOM VIEW (SG-155H)

SHARP

PARTS LIST

MODEL
SC-153H
SG-155H

PLAYER PARTS (SG-155H)

REF. NO.	PART NO.	DESCRIPTION	
001	890542-1	Vinyl Tube, 1ϕ × 30mm	
002	891575	Capacitor, 0.047MFD, 630WV	
003	890344-2	Vinyl Tube, 12.7ϕ × 40mm	
004	890735-1	Insulator, Fiber	
005	FM + 4 × 60	Screw, 4ϕ × 60mm	
006	891709	Shield Wire Lead, Ass'y	
007	891828	Vinyl Tube, 5.8ϕ	
008	892156	Power Cord, Ass'y	
009	FW	Washer, 3ϕ × 8ϕ × 0.5t	
010	891827	Wire Holder	
011	FMT + 3 × 8	Screw, 3ϕ × 8mm	
015		Cover, Stylus	
019	890876	Adaptor	
020	701354	Turntable, Ass'y	
026	870121	Sheet, Rubber	
029	850290	Pick-Up Ass'y	
030	891199	Arm Lifter	
031	891707	Return Gear, Ass'y	
032	890620	Stud, Gear Stopper	
033	890619	Shaft, Eccentric	
034	890680	Rest Stand, Ass'y	
035	FLN-3	Nut, 3ϕ	
036	SSW-3	Spring, Washer, 3ϕ	
037	890618	Arm, Gear Stopper	
038	891195	Cut Lever, Ass'y	
039	E-4	"E" Stopring, 4ϕ	
040	890628	Spring, Gear Stopper	
041	CS-3.5	Lock Washer, Internal, 3.5ϕ	
042		Washer, 3ϕ × 10ϕ × 0.5t, Flat	
043	FM + 3 × 6	Screw, 3ϕ × 6mm	
044	891219	Control Arm, Ass'y	
045	E-825183	Spring, Insulator	
046		Vinyl Tube, 6ϕ × 10mm	
047	FMT + 3 × 8	Screw, 3ϕ × 8mm	
048	890825	Stopper	
049	813153	"E" Stopring, 4ϕ	
050	890684	Switch Lever, Ass'y	
051	E-825182	Spring, Insulator	
052	890593	Wire Holder	
053	821280	Plate, Shield	
054		Washer, 3ϕ × 8ϕ × 0.5t	
055	D-10002-51	Lug, 4 Pins	
056	891849	Lug, 4 Pins	
057	890765	Washer, Differential	
058	890709-3	Differential Arm, Ass'y	
059	870038	Differential Base	
060	890767	Seesaw Base, Ass'y	
061	830151	Seesaw Arm, Ass'y	
062	890322-2	Shaft, REJ Lever	
063	890995	Pin, Eccentric	
064	890993	Spring, Arm	
065	M + 3 × 15	Screw, 3ϕ × 15mm, Plus	
066	890334	Switch, Micro	
067	890994	Switch Arm, Ass'y	
068	E-3.2	"E" Stopring, 3.2ϕ	
069	E-3	"E" Stopring, 3ϕ	
070	891511	Shaft, Cut Lever	
071	890792	Changeover Lever, Ass'y	
072	890364-1	Spring, REJ	
073	FM + 4 × 12	Screw, 4ϕ × 12mm, Plus	
074		Washer, 4ϕ × 10ϕ × 1t, Nylon	
075	890675	Shaft, Adaptor	
076		Washer, 5ϕ × 10ϕ × 0.2t	

REF. NO.	PART NO.	DESCRIPTION	
077		Washer, 5ϕ × 10ϕ × 0.5t, Fiber	
078	891196	Knob, Speed Selector	
079	E-830310	Bearing, Turntable	
080	701354	Pulley	
081	891190	Lever, REJ	
082	891191	Spring, REJ Lever	
083	890322-1	Shaft, REJ Lever	
084	E-821121	Pointer	
085	850308-1	Mounting Plate	
086	630559	Motor, Ass'y	
087	T2.6 × 2	Screw, 2.6ϕ × 2mm	
088	E-825184	Spring, Insulator	
089	E-825186	Spring, Insulator	
090		Washer, 5ϕ × 10ϕ × 1t, Fiber	
091		Washer, 5ϕ × 10ϕ × 0.3t, Fiber	
095	891566	Weight	
096		Washer, 4ϕ × 8ϕ × 0.5t	
097	FM + 4 × 10	Screw, 4ϕ × 10mm, Plus	
100	890731-1	Cushion, Insulator	

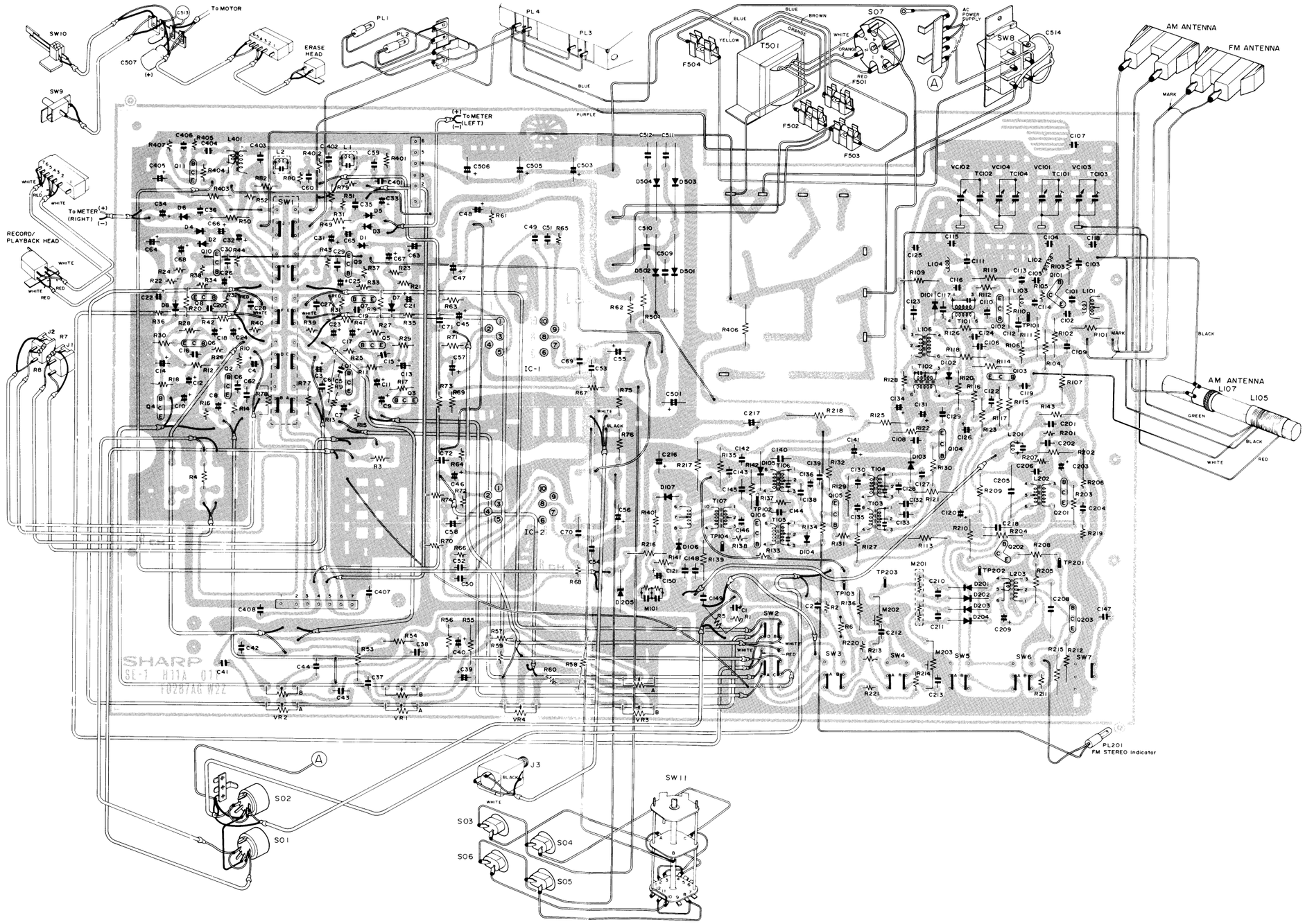
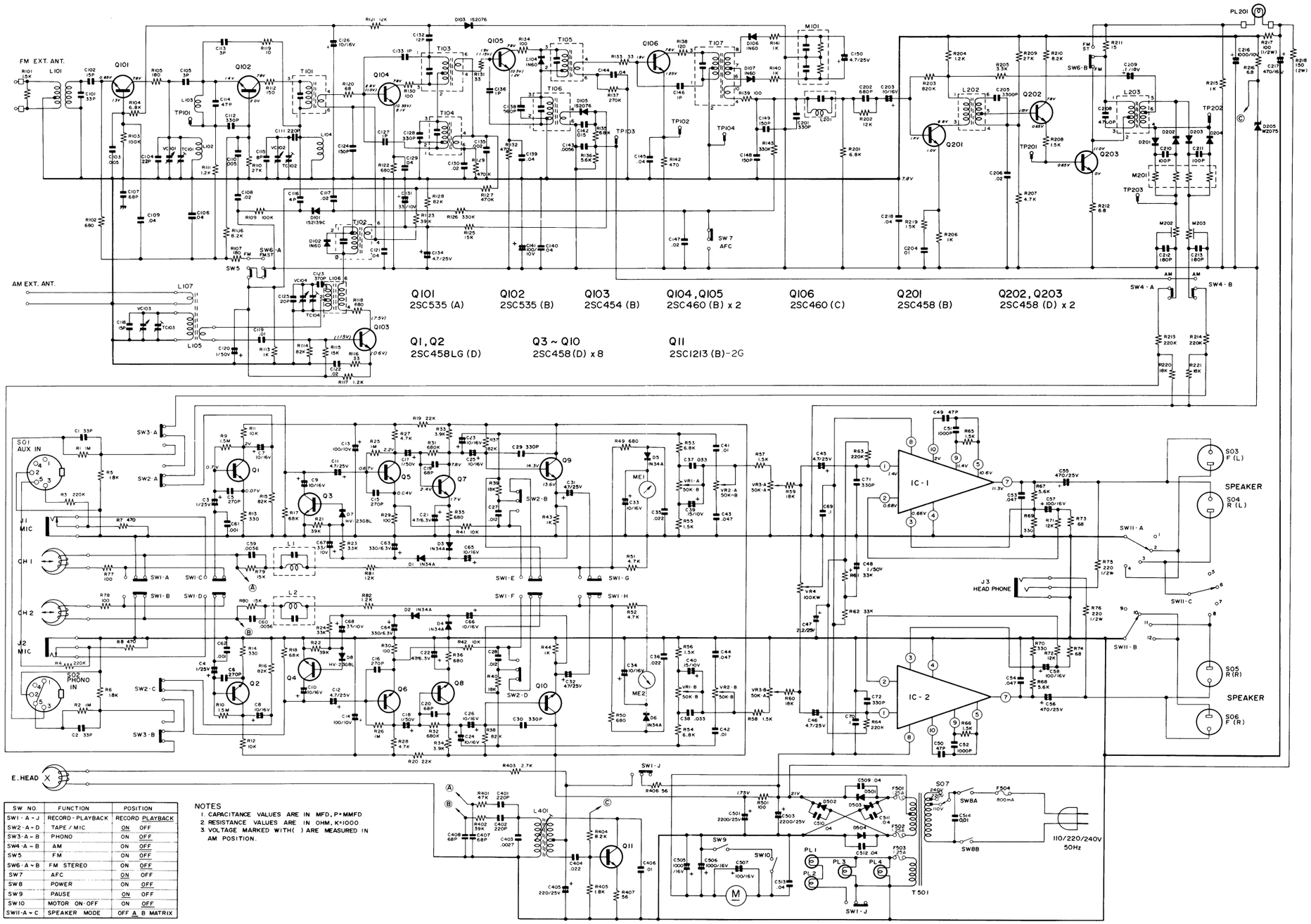


Figure 18 PRINTED WIRING BOARD (SC-153H)



SW NO.	FUNCTION	POSITION
SW1-A ~ J	RECORD-PLAYBACK	RECORD PLAYBACK
SW2-A ~ D	TAPE / MIC	ON OFF
SW3-A ~ B	PHONO	ON OFF
SW4-A ~ B	AM	ON OFF
SW5	FM	ON OFF
SW6-A ~ B	FM STEREO	ON OFF
SW7	AFC	ON OFF
SW8	POWER	ON OFF
SW9	PAUSE	ON OFF
SW10	MOTOR ON-OFF	ON OFF
SW11-A ~ C	SPEAKER MODE	OFF A B MATRIX

NOTES
1. CAPACITANCE VALUES ARE IN MFD., P=MMFD.
2. RESISTANCE VALUES ARE IN OHM, K=1000.
3. VOLTAGE MARKED WITH( ) ARE MEASURED IN AM POSITION.

Figure 19 SCHEMATIC DIAGRAM (SC-153H)

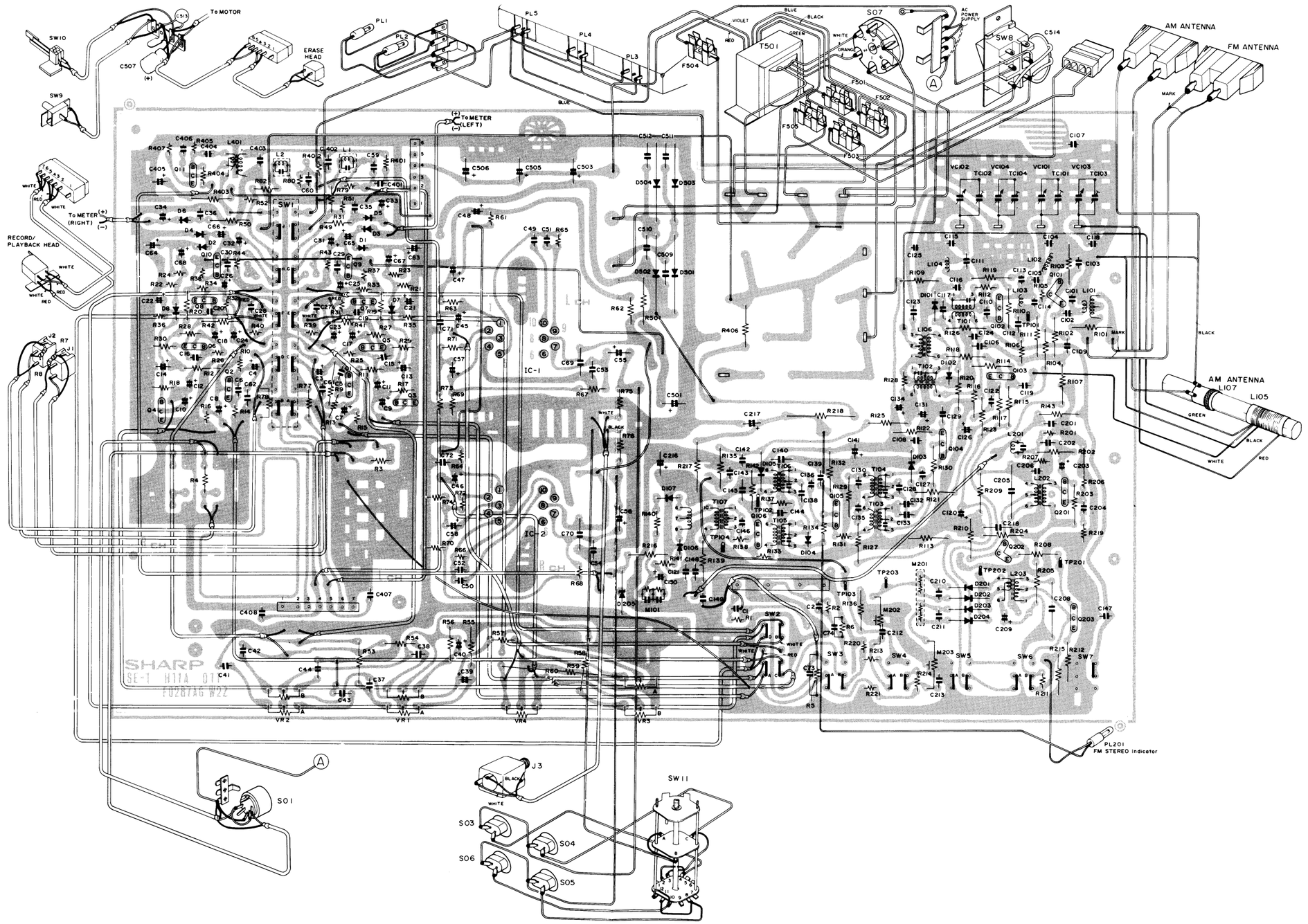
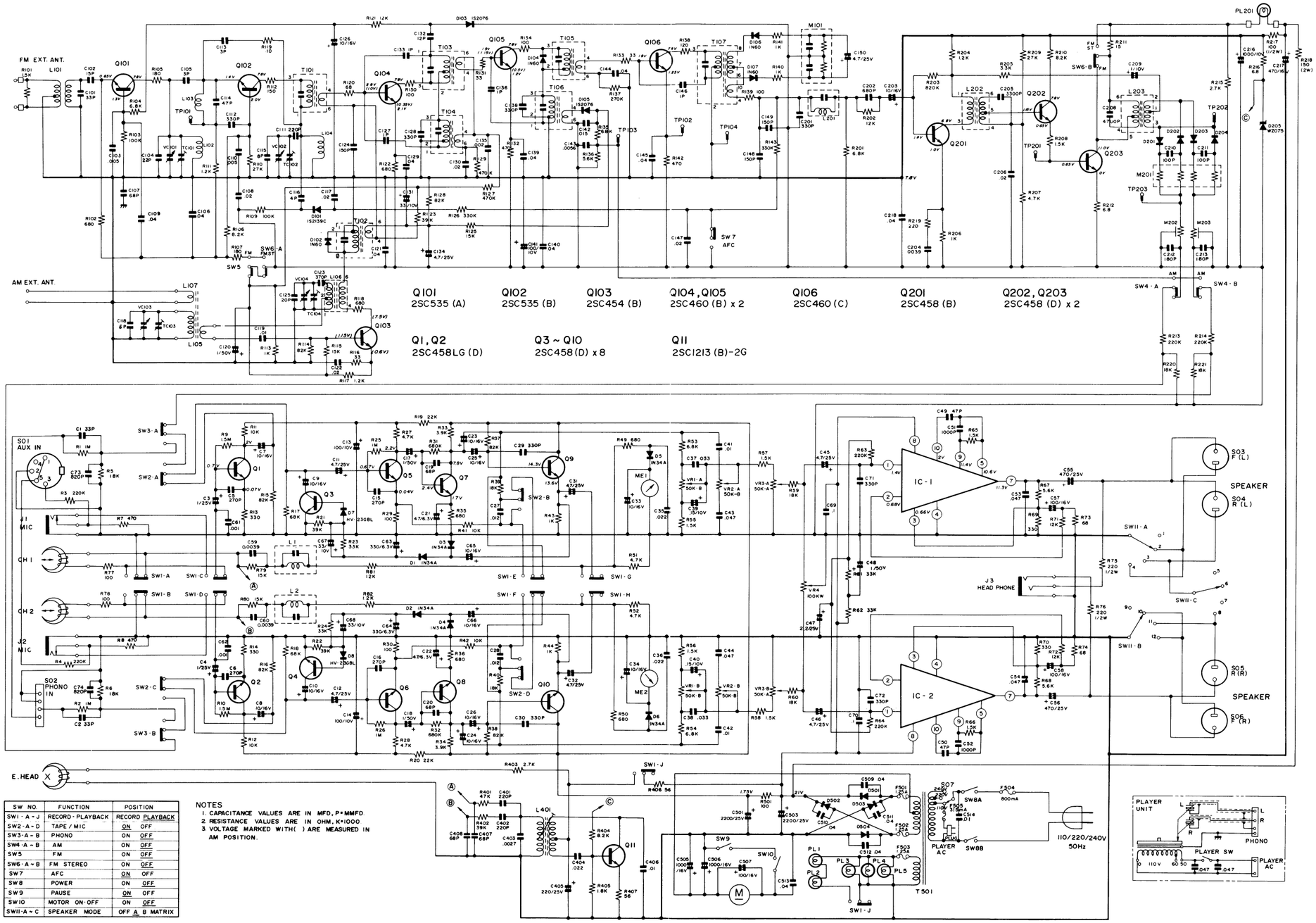


Figure 20 PRINTED WIRING BOARD (SG-155H)



SW NO.	FUNCTION	POSITION
SW1-A~J	RECORD-PLAYBACK	RECORD PLAYBACK
SW2-A~D	TAPE/MIC	ON OFF
SW3-A~B	PHONO	ON OFF
SW4-A~B	AM	ON OFF
SW5	FM	ON OFF
SW6-A~B	FM STEREO	ON OFF
SW7	AFC	ON OFF
SW8	POWER	ON OFF
SW9	PAUSE	ON OFF
SW10	MOTOR ON-OFF	ON OFF
SW11-A~C	SPEAKER MODE	OFF A B MATRIX

NOTES
1. CAPACITANCE VALUES ARE IN MFD, P=MMFD.
2. RESISTANCE VALUES ARE IN OHM, K=1000.
3. VOLTAGE MARKED WITH( ) ARE MEASURED IN AM POSITION.

Figure 21 SCHEMATIC DIAGRAM (SG-155H)

MODEL
SC-153H
SG-155H

SHARP

PARTS LIST

"HOW TO ORDER REPLACEMENT PARTS"

To have your order filled promptly and correctly, please furnish the following informations.

1. MODEL NUMBER
2. REF. NO.
3. PART NO.
4. DESCRIPTION

MODEL SC-153H

MODEL SG-155H

SEMICONDUCTORS

REF. NO.	PART NO.	DESCRIPTION	
Q101	VS2SC535-A/-1	Transistor, RF Amp.	
Q102	VS2SC535-B/-1	Transistor, FM Converter	
Q103	VS2SC454-B/-1	Transistor, AM Converter	
Q104	VS2SC460-B/-1	Transistor, 1st FM/AM IF Amp.	
Q105	VS2SC460-B/-1	Transistor, 2nd FM/AM IF Amp.	
Q106	VS2SC460-C/-1	Transistor, 3rd FM IF Amp.	
Q201		Transistor, Signal Amplifier FM MPX Composite	
Q202	VS2SC458-D/-1	Transistor, FM MPX 19kHz Amp.	
Q203	VS2SC458-D/-1	Transistor, FM Stereo Indicator	
Q1, Q2	VS2SC458LGD-1	Transistor, 1st Audio Amp.	
Q3, Q4	VS2SC458-D/-1	Transistor, ALC	
Q5, Q6	VS2SC458-D/-1	Transistor, 2nd Audio Amp.	
Q7, Q8	VS2SC458-D/-1	Transistor, 3rd Audio Amp.	
Q9, Q10	VS2SC458-D/-1	Transistor, Record Amp.	
Q11	VS2SC1213B-2G	Transistor, Bias Oscillation	
IC1, IC2	RH-IX0425AGZZ	Integrated Circuit, Power Amp.	
D101	VHC1S2139-C-1	Diode, AFC	
D102	VHD1N60////-1	Diode, AM AGC	
D103	VHD1S2076//-1	Diode, FM AGC	
D104	VHD1N60////-1	Diode, Overload	
D105	VHD1S2076//-1	Diode, AM Detector	
D106, D107	VHD1N60////-3	Diode, FM Detector (Matched Pair)	
D201, D202, D203, D204	VHD1N60////-3	Diode, FM MPX Switching (SC-153H)	
D201, D202, D203, D204	VHD1N34A-Y/1G	Diode, FM MPX Switching (SG-155H)	
D205	VHEWZ-075//-1	Diode, Voltage Controlled	
D1, D2	VHD1N34A///-1	Diode, ALC	
D3, D4	VHD1N34A///-1	Diode, ALC	
D5, D6	VHD1N34A///-1	Diode, Meter Circuit	
D7, D8	VHVHV23G-B/-1	Diode, ALC	
D501, D502	RH-DX0021AGZZ	Rectifier	
D503, D504	RH-DX0022AGZZ	Rectifier	

COILS & TRANSFORMERS

L101	RCILA0122AFL	Coil, FM Antenna	
L102	RCILR0092AFZZ	Coil, FM RF	
L103	RCILC0018AFZZ	Coil, IF Trap	
L104	RCILR0025AGZZ	Coil, FM Oscillation	
L105	RCILA0003AGZZ	Coil, MW Antenna (SC-153H)	
L105	RCILA0076AGZZ	Coil, MW Antenna (SG-155H)	
L106	RCILB0067AGZZ	Coil, AM Oscillation	
L107	RCILA0003SEZZ	Coil, External Antenna	
L201	RCILM0015AGZZ	Coil, SCA Trap	
L202	RCILM0017AGZZ	Coil, MPX 19KHz	
L203	RCILM0004SEZZ	Coil, MPX 38KHz	
L401	RCILB0076AGZZ	Coil, Bias Oscillation	
L501	RCILC0004AGZZ	Coil, FM Line Antenna	
T101	RCILI0028AGZZ	Transformer, 1st FM IFT	
T102	RCILI0017AGZZ	Transformer, 1st AM IFT	
T103	RCILI0059AGZZ	Transformer, 2nd FM IFT	
T104	RCLII0017AGZZ	Transformer, 2nd AM IFT	
T105	RCILI0059AGZZ	Transformer, 3rd FM IFT	
T106	RCILI0161AFZZ	Transformer, AM Detector	
T107	RCILD0006AGZZ	Transformer, FM Discriminator	
T501	RTRNP0280AGZZ	Transformer, Power (SC-153H)	
T501	RTRNP0291AGZZ	Transformer, Power (SG-155H)	
L1, L2	RCILZ0031AGZZ	Coil, Bias Trap	

PACKAGED CIRCUITS

M101	RMPTA0063AFZZ	Capristor	
M201	RMPTA0014AGZZ	Capristor	
M202, M203	RMPTA0064AGZZ	Capristor	

REF. NO.	PART NO.	DESCRIPTION	

CONTROLS

VR1	RVR-B0066AGZZ	50K ohm, Bass Control	
VR2	RVR-B0066AGZZ	50K ohm, Treble Control	
VR3	RVR-A0064AGZZ	50K ohm, Volume Control	
VR4	RVR-Z0038AGZZ	100K ohm, Balance Control	

CAPACITORS

C1, C2	VCCSPU1HL330K	33PF, 50V, ±10%, Discap	
C3, C4	VCAAAU1EB105K	1MFD, 25V, ±10%, Electrolytic	
C5, C6	VCCSPU1HL271K	270PF, 50V, ±10%, Discap	
C7, C8	VCEAAU1CW106Y	10MFD, 16V, +50 −10%, Electrolytic	
C9, C10	VCEAAU1CW106Y	10MFD, 16V, +50 −10%, Electrolytic	
C11, C12	VCEAAU1EW475A	4.7MFD, 25V, +75 −10%, Electrolytic	
C13, C14	VCEAAU1AW107Y	100MFD, 10V, +50 −10%, Electrolytic	
C15, C16	VCCSPU1HL271K	270PF, 50V, ±10%, Discap	
C17, C18	VCEAAU1HW105A	1MFD, 50V, +75 −10%, Electrolytic	
C19, C20	VCCSPU1HL680K	68PF, 50V, ±10%, Discap	
C21, C22	VCEAAU0XW476Y	47MFD, 6.3V, +50 −10%, Electrolytic	
C23, C24	VCEAAU1CW106Y	10MFD, 16V, +50 −10%, Electrolytic	
C25, C26	VCEAAU1CW106Y	10MFD, 16V, +50 −10%, Electrolytic	
C27, C28	VCQYKU1HM123K	.012MFD, 50V, ±10%, Mylar	
C29, C30	VCCSPU1HL331K	330PF, 50V, ±10%, Discap	
C31, C32	VCEAAU1EW475A	4.7MFD, 25V, +50 −10%, Electrolytic	
C33, C34	VCEAAU1CW106Y	10MFD, 16V, +50 −10%, Electrolytic	
C35, C36	VCQYKU1HM223K	.022MFD, 50V, ±10%, Mylar	
C37, C38	VCQYKU1HM333K	.033MFD, 50V, ±10%, Mylar	
C39, C40	VCAAAU1AB154M	.15MFD, 10V, ±20%, Electrolytic	
C41, C42	VCQYKU1HM103K	.01MFD, 50V, ±10%, Mylar	
C43, C44	VCQYKU1HM473K	.047MFD, 50V, ±10%, Mylar	
C45, C46	VCEAAU1EW475A	4.7MFD, 25V, +75 −10%, Electrolytic	
C47	VCAAAU1EW225M	2.2MFD, 25V, ±20%, Electrolytic (SC153H)	
C48	VCEAAU1HW105R	1MFD, 50V, +150 −10%, Electrolytic (SC153H)	
C47	VCAAAU1EB225M	2.2MFD, 25V, ±20%, Electrolytic (SG-155H)	
C48	VCEAAU1HW105A	1MFD, 50V, +75 −10%, Electrolytic (SG-155H)	
C49, C50	VCCSPU1HL470K	47PF, 50V, ±10%, Discap	

REF. NO.	PART NO.	DESCRIPTION	
C51, C52	VCKZPU1HB102K	1000PF, 50V, ±10%, Discap	
C53, C54	VCQYKU1HM473K	.047MFD, 50V, ±10%, Mylar	
C55, C56	VCEAAU1EW477Y	470MFD, 25V, +50 −10%, Electrolytic	
C57, C58	VCEAAU1CW107Y	100MFD, 16V, +50 −10%, Electrolytic	
C59, C60	VCQYKU1HM562K	.0056MFD, 50V, ±10%, Mylar (SC-153H)	
C59, C60	VCQYKU1HM392K	.0039MFD, 50V, ±10%, Mylar (SG-155H)	
C61, C62	VCQYKU1HM102K	.001MFD, 50V, ±10%, Mylar	
C63, C64	VCEAAU0XW337Y	330MFD, 6.3V, +50 −10%, Electrolytic	
C65, C66	VCEAAU1CW106Y	10MFD, 16V, +50 −10%, Electrolytic	
C67, C68	VCEAAU1AW336Y	33MFD, 10V, +50 −10%, Electrolytic	
C69, C70	VCKZPU1EF104Z	.1MFD, 25V, +80 −10%, Discap	
C71, C72	VCCSPU1HL331K	330PF, 50V, ±10%, Discap	
C73, C74	VCKYPU1HL821K	820PF, 50V, ±10%, Discap (SG-155H)	
VC101, VC102, VC103, VC104, TC101, TC102, TC103, TC104	RVC-C0003SEZZ	Variable Tuning Gang TC101 : FM Antenna TC102 : FM Oscillation TC103 : AM Antenna TC104 : AM Oscillation	
C101	VCCSPU1HL330K	33PF, 50V, ±10%, Discap	
C102	VCCSPU1HL150K	15PF, 50V, ±10%, Discap	
C103	VCKZPU1HF502P	.005MFD, 50V, +100 −0%, Discap	
C104	VCCSPU1HL220K	22PF, 50V, ±10%, Discap	
C105	VCCSPU1HL3R0C	3PF, 50V, ±0.25PF, Discap	
C106	VCKZPU1EF403Z	.04MFD, 50V, +80 −20%, Discap	
C107	VCCSPU1HL680K	68PF, 50V, ±10%, Discap	
C108	VCKZPU1EF203Z	.02MFD, 25V, +80 −20%, Discap	
C109	VCKZPU1EF403Z	.04MFD, 25V, +80 −20%, Discap	
C110	VCKZPU1HF502P	.005MFD, 50V, +100 −0%, Discap	
C111	VCCSPU1HL221J	220PF, 50V, ±5%, Discap	
C112	VCCSPU1HL331K	330PF, 50V, ±10%, Discap	
C113	VCCSPU1HL3R0C	3PF, 50V, ±0.25PF, Discap	
C114	VCCSPU1HL470K	47PF, 50V, ±10%, Discap	
C115	VCCVPU1HJ8R0D	8PF, 50V, ±0.5PF, Discap	
C116	VCCWPU1HK4R0C	4PF, 50V, ±0.25PF, Discap	
C117	VCKZPU1EF203Z	.02MFD, 25V, +80 −20%, Discap	
C118	VCCSPU1HL6R0K	6PF, 50V, ±10%, Discap (SC-153H)	
C118	VCCSPU1HL150K	15PF, 50V, ±10%, Discap (SG-155H)	
C119	VCKZPU1HF103P	.01MFD, 50V, +100 −0%, Discap	
C120	VCEAAU1HW105R	1MFD, 50V, +150 −10%, Electrolytic	

REF. NO.	PART NO.	DESCRIPTION
C121	VCKZPU1HF403Z	.04MFD, 50V, +80 −20%, Discap
C122	VCKZPU1EF203Z	.02MFD, 25V, +80 −20%, Discap
C123	VCKZPU1HB371J	370PF, 50V, ±5%, Discap
C124	VCCSPU1HL151K	150PF, 50V, ±10%, Discap
C125	VCCSPU1HL200K	20PF, 50V, ±10%, Discap
C126	VCEAAU1CW106Q	10MFD, 16V, +100 −10%, Electrolytic
C127	VCCSPU1HL1R0C	1PF, 50V, ±0.25PF, Discap
C128	VCCSPU1HL331K	330PF, 50V, ±10%, Discap
C129	VCKZPU1EF403Z	.04MFD, 25V, +80 −20%, Discap
C130	VCKZPU1EF203Z	.02MFD, 25V, +80 −20%, Discap
C131	VCEAAU1AW336Q	33MFD, 10V, +100 −10%, Electrolytic
C132	VCCSPU1HL120K	12PF, 50V, ±10%, Discap
C133	VCCSPU1HL1R0C	1PF, 50V, ±0.25PF, Discap
C134	VCEAAU1EW475R	4.7MFD, 25V, +150 −10%, Electrolytic
C135	VCKZPU1HF202P	.002MFD, 50V, +100 −0%, Discap
C136	VCCSPU1HL1R0C	1PF, 50V, ±0.25PF, Discap
C138	VCCSPU1HL561K	560PF, 50V, ±10%, Discap (SC-153H)
C138	VCCSPU1HL331K	330PF, 50V, ±10%, Discap (SG−155H)
C139	VCKZPU1EF403Z	.04MFD, 25V, +80 −20%, Discap
C140	VCKZPU1HF403Z	.04MFD, 50V, +80 −20%, Discap
C141	VCEAAU1AW107Q	100MFD, 10V, +100 −10%, Electrolytic
C142	VCQYKU1HM153M	.015MFD, 50V, ±20%, Mylar
C143	VCQYKU1HM562M	.0056MFD, 50V, ±20%, Mylar
C144	VCKZPU1EF403Z	.04MFD, 25V, +80 −20%, Discap
C145	VCKZPU1EF403Z	.04MFD, 25V, +80 −20%, Discap
C146	VCCSPU1HL1R0C	1PF, 50V, ±0.25PF, Discap
C147	VCKZPU1EF203Z	.02MFD, 25V, +80 −20%, Discap
C148	VCCSPU1HL151K	150PF, 50V, ±10%, Discap
C149	VCCSPU1HL151K	150PF, 50V, ±10%, Discap
C150	VCEAAU1EW475R	4.7MFD, 25V, +150 −10%, Electrolytic
C201	VCCSPU1HL331K	330PF, 50V, ±10%, Discap
C202	VCCSPU1HL681K	680PF, 50V, ±10%, Discap
C203	VCEAAU1CW106Q	10MFD, 16V, +100 −10%, Electrolytic
C204	VCQYKU1HM103J	.01MFD, 50V, ±5%, Mylar (SC-153H)
C204	VCQYKU1HM392J	.0039MFD, 50V, ±5%, Mylar (SG-155H)
C205	VCQSMT1HS332K	3300PF, 50V, ±10%, Styrol
C206	VCKZPU1EF203Z	.02MFD, 25V, +80 −20%, Discap
C208	VCQSMT1ES472K	4700PF, 25V, ±10%, Styrol
C209	VCAAAU1AB104M	.1MFD, 10V, ±20%, Electrolytic
C210	VCCSPU1HL101K	100PF, 50V, ±10%, Discap
C211	VCCSPU1HL101K	100PF, 50V, ±10%, Discap
C212, C213	VCCSPU1HL181K	180PF, 50V, ±10%, Discap
C216	VCEAAU1AW108Q	1000MFD, 10V, +100 −10%, Electrolytic
C217	VCEAAU1CW477Q	470MFD, 16V, +100 −10%, Electrolytic
C218	VCKZPU1HF403Z	.04MFD, 50V, +80 −20%, Discap
C401, C402	VCCSPU1HL221K	220PF, 50V, ±10%, Discap
C403	VCQYKU1HM272K	.0027MFD, 50V, ±10%, Mylar
C404	VCQYKU1HM223K	.022MFD, 50V, ±10%, Mylar
C405	VCEAAU1EW227Y	220MFD, 25V, +50 −10%, Electrolytic
C406	VCQYKU1HM103M	.01MFD, 50V, ±20%, Mylar
C407, C408	VCCSPU1HL680K	68PF, 50V, ±10%, Discap
C501	VCEAAU1EW228Q	2200MFD, 25V, +100 −10%, Electrolytic
C503	VCEAAU1EW228Q	2200MFD, 25V, +100 −10%, Electrolytic
C505, C506	VCEAAU1CW108Y	1000MFD, 16V, +50 −10%, Electrolytic
C507	VCEAAU1CW107Y	100MFD, 16V, +50 −10%, Electrolytic
C509, C510, C511, C512	VCKZPU1HF403Z	.04MFD, 50V, +80 −20%, Discap
C513	VCKZPU1HF403Z	.04MFD, 50V, +80 −20%, Discap
C514	RC-KZ0087AGZZ	.01MFD, 400V, Discap

RESISTORS

All resistors are 1/4W, ±10%, Carbon type except printed resistor.

R1, R2	VRD-SU2EY105K	1 Meg ohm
R3, R4	VRD-SU2EY224K	220K ohm
R5, R6	VRD-SU2EY183K	18K ohm
R7, R8	VRD-ST2EY471K	470 ohm
R9, R10	VRD-SU2EY155K	1.5 Meg ohm
R11, R12	VRD-SU2EY103K	10K ohm
R13, R14	VRD-SU2EY331K	330 ohm
R15, R16	VRD-SU2EY823J	82K ohm, 1/4W, ±5%, Carbon
R17, R18	VRD-SU2EY683J	68K ohm, 1/4W, ±5%, Carbon
R19, R20	VRD-SU2EY223K	22K ohm
R21, R22	VRD-SU2EY393K	39K ohm
R23, R24	VRD-ST2EY333K	33K ohm
R25, R26	VRD-SU2EY105K	1 Meg ohm
R27, R28	VRD-SU2EY472K	4.7K ohm
R29, R30	VRD-SU2EY101K	100 ohm

SHARP

PARTS LIST

REF. NO.	PART NO.	DESCRIPTION
R31, R32	VRD-SU2EY684J	680K ohm, 1/4W, ±5%, Carbon
R33, R34	VRD-SU2EY392K	3.9K ohm
R35, R36	VRD-SU2EY681J	680 ohm, 1/4W, ±5%, Carbon
R37, R38	VRD-SU2EY823J	82K ohm, 1/4W, ±5%, Carbon
R39, R40	VRD-SU2EY183J	18K ohm, 1/4W, ±5%, Carbon
R41, R42	VRD-ST2EY103K	10K ohm
R43, R44	VRD-SU2EY102J	1K ohm, 1/4W, ±5%, Carbon
R49, R50	VRD-SU2EY681J	680 ohm, 1/4W, ±5%, Carbon
R51, R52	VRD-SU2EY472K	4.7K ohm
R53	VRD-ST2EY682K	6.8K ohm
R54	VRD-SU2EY682K	6.8K ohm
R55	VRD-ST2EY152K	1.5K ohm
R56, R57	VRD-SU2EY152K	1.5K ohm
R58	VRD-ST2EY152K	1.5K ohm
R59, R60	VRD-SU2EY183K	18K ohm
R61, R62	VRD-SU2EY333K	33K ohm
R63, R64	VRD-SU2EY224K	220K ohm
R65, R66	VRD-SU2EY152K	1.5K ohm
R67, R68	VRD-SU2EY562J	5.6K ohm, 1/4W, ±5%, Carbon
R69, R70	VRD-SU2EY331K	330 ohm
R71, R72	VRD-SU2EY123J	12K ohm, 1/4W, ±5%, Carbon
R73, R74	VRD-SU2EY680J	68 ohm, 1/4W, ±5%, Carbon
R75, R76	VRC-MT2HG221K	220 ohm, 1/2W, ±10%, Carbon
R77, R78	VRD-SU2EY101K	100 ohm
R79, R80	VRD-SU2EY153J	15K ohm, 1/4W, ±5%, Carbon
R81, R82	VRD-SU2EY122K	1.2K ohm
R101	VRD-ST2EY152K	1.5K ohm
R102	VRD-ST2EY681K	680 ohm
R103	VRD-ST2EY104K	100K ohm
R104	VRD-ST2EY682K	6.8K ohm
R105	VRD-SU2EY181K	180 ohm
R106	VRD-SU2EY822K	8.2K ohm
R107	VRD-ST2EY181K	180 ohm
R109	VRD-ST2EY104K	100K ohm
R110	VRD-ST2EY273K	27K ohm
R111	VRD-ST2EY122K	1.2K ohm
R112	VRD-SU2EY151K	150 ohm
R113	VRD-ST2EY102K	1K ohm
R114	VRD-ST2EY823K	82K ohm
R115	VRD-ST2EY153K	15K ohm
R116	VRD-ST2EY330K	33 ohm

REF. NO.	PART NO.	DESCRITPION
R117	VRD-ST2EY122K	1.2K ohm
R118	VRD-ST2EY681K	680 ohm
R119	VRD-ST2EY100K	10 ohm
R120	VRD-ST2EY680K	68 ohm
R121	VRD-ST2EY123K	12K ohm
R122	VRD-ST2EY681K	680 ohm
R123	VRD-ST2EY393K	39K ohm
R125	VRD-ST2EY153K	15K ohm
R126	VRD-ST2EY334K	330K ohm
R127	VRD-ST2EY474K	470K ohm
R128	VRD-SU2EY823K	82K ohm
R129	VRD-ST2EY474K	470K ohm
R130	VRD-ST2EY101K	100 ohm
R131	VRD-SU2EY330K	33 ohm
R132	VRD-ST2EY471K	470 ohm
R133	VRD-SU2EY330K	33 ohm
R134	VRD-ST2EY101K	100 ohm
R135	VRD-ST2EY682K	6.8K ohm
R136	VRD-ST2EY562K	5.6K ohm
R137	VRD-SU2EY274K	270K ohm
R138	VRD-SU2EY121K	120 ohm
R139	VRD-ST2EY101K	100 ohm
R140	VRD-SU2EY102K	1K ohm
R141	VRD-SU2EY102K	1K ohm
R142	VRD-ST2EY471K	470 ohm
R143	VRD-ST2EY334K	330K ohm
R201	VRD-SU2EY682K	6.8K ohm
R202	VRD-ST2EY123K	12K ohm
R203	VRD-ST2EY824K	820K ohm
R204	VRD-ST2EY122K	1.2K ohm
R205	VRD-ST2EY332J	3.3K ohm, 1/4W, ±5%, Carbon
R206	VRD-ST2EY102J	1K ohm, 1/4W, ±5%, Carbon
R207	VRD-SU2EY472J	4.7K ohm, 1/4W, ±5%, Carbon
R208	VRD-ST2EY152K	1.5K ohm
R209	VRD-ST2EY273J	27K ohm, 1/4W, ±5%, Carbon
R210	VRD-ST2EY822K	8.2K ohm
R211	VRD-SU2EY150K	15 ohm
R212	VRD-ST2EA6R8K	6.8 ohm
R213	VRD-SU2EY224K	220K ohm
R214	VRD-SU2EY224K	220K ohm
R215	VRD-ST2EY102J	1K ohm, 1/4W, ±5%, Carbon (SC-153H)
R215	VRD-ST2EY272J	2.7K ohm, 1/4W, ±5%, Carbon (SG-155H)
R216	VRD-ST2EY6R8K	6.8 ohm
R217	VRD-ST2HA101K	100 ohm, 1/2W, ±10%, Carbon
R218	VRS-PT3DB151K	150 ohm, 2W, ±10%, Oxide Film
R219	VRD-SU2EY152J	1.5K ohm, 1/4W, ±5%, Carbon (SC-153H)
R219	VRD-SU2EY220J	220 ohm, 1/4W, ±5%, Carbon (SG-155H)
R220, R221	VRD-SU2EY183K	18K ohm
R401	VRD-SU2EY473J	47K ohm, 1/4W, ±5%, Carbon
R402	VRD-SU2EY393J	39K ohm, 1/4W, ±5%, Carbon
R403	VRD-ST2EY272J	2.7K ohm, 1/4W, ±5%, Carbon
R404	VRD-SU2EY822J	8.2K ohm, 1/4W, ±5%, Carbon
R405	VRD-SU2EY182J	1.8K ohm, 1/4W, ±5%, Carbon
R406	VRC-MT2HG560K	56 ohm, 1/2W, ±10%, Carbon (SC-153H)
R406	VRD-SU2EY560K	56 ohm (SG-155H)
R407	VRD-SU2EY560J	56 ohm, 1/4W, ±5%, Carbon

REF. NO.	PART NO.	DESCRIPTION	
R501	VRC-MT2HG101K	100 ohm, 1/2W, ±10%, Carbon	

MISCELLANEOUS

	LANGT0352AGZZ	Bracket, Rear	
	LANGK0104AGZZ	Bracket, Pulley (SC-153H)	
	LANGK0109AGZZ	Bracket, Pulley (SG-155H)	
	LANGT0343AGZZ	Bracket, Front (SC-153H)	
	LANGT0362AGZZ	Bracket, Front (SG-155H)	
	LANGH0044AGZZ	Bracket, Left (SC-153H)	
	LANGK0110AGZZ	Bracket, Left (SG-155H)	
	LANGH0045AGZZ	Bracket, Right (SC-153H)	
	LANGH0045AGZZ	Bracket, Right (SG-155H)	
	LANGQ0318AGZZ	Bracket, Transformer (SC-153H)	
	LANGQ0325AGZZ	Bracket, Transformer (SG-155H)	
	LBSHC0007AFZZ	Bushing, AC Cord	
	GCAB-0104AGSA	Cabinet (SC-153H)	
	GCAB-0111AGSA	Cabinet (SG-155H)	
	RTPEK0034AGZZ	Cassette Tape	
SO7	QSOCE0303AGZZ	Socket, Voltage Selector	
	LHLDC7063AGZZ	Core Holder	
	PCOVU3053AGZZ	Cover, Illumination Lamp (SC-153H)	
	PCOVU3057AGZZ	Cover, Illumination Lamp (SG-155H)	
	PGUMM0062AG00	Cushion, Balance Control	
	HDECA0180AGSA	Decoration, Upper (SC-153H)	
	HDECA0186AGSA	Decoration Plate, Right (SC-153H)	
	HDECA0187AGSA	Decoration Plate, Left (SC-153H)	
	HSSND0053AGSA	Dial Pointer	
	HDALP0053AGSA	Dial Scale (SC-153H)	
	HDALP0056AGSA	Dial Scale (SG-155H)	
	NDRM-0005AG09	Drum, Dial Stringing	
	PFLT-0197AG00	Felt, Push Switch	
	PFLT-0200AG00	Felt, POWER Switch	
	NPLYC0003AGFW	Guide, Dial Stringing	
	PRDAR0051AGFW	Heat Sink, Lower	
	PRDAR0052AGFW	Heat Sink, Upper	
	QFSHA1001SGZZ	Holder, Illumination Lamp	
	LDAIM0015AG00	Holder, Meter	
	HINDM0850AGSA	Indication Plate, Control (SC-153H)	
	HINDM0848AGSA	Indication Plate, Control (SG-155H)	
J1, J2	QJAKF0009AGZZ	Jack, Microphone	
J3	QJAKE0027AGZZ	Jack, Headphone	
	JKNBP0029AGSA	Knob, AFC/FM/FM STEREO/ AM/PHONO/TAPE	
	JKNBN0131AGSA	Knob, TUNING	
	JKNBN0132AGSA	Knob, SPEAKERS SELECTOR	
	JKNBN0193AFSB	Knob, VOLUME/BALANCE/ BASS/TREBLE	
	LX-BZ3001SEFD	Screw, Cabinet, Retaining	
	QLUGL0201SEZZ	Lug Terminal, 2-terminal 1-ground (SC-155H)	
	QLUGL0301AGZZ	Lug Terminal, 3-terminal 1-ground Large	

REF. NO.	PART NO.	DESCRIPTION	
ME1, ME2	RMTRL0066AGZZ	Meter, RECORD LEVEL	
	RMICD0094AGZZ	Microphone	
	QCNCM001FAGZZ	Socket, 6 Pin	
	QPLGN0702AGZZ	Socket, 7 Pin	
PL1, PL2	RLMP-0002AGZZ	Pilot Lamp, Meter	
PL3, PL4	RLMPP0002AGZZ	Pilot Lamp, Dial Illumination	
PL5	RLMPP0002AGZZ	Pilot Lamp, Dial Illumination (SG-155H)	
PL201	RLMPM0016AGZZ	Pilot Lamp, FM STEREO Indicator	
	HPNLC1155AGSA	Panel, Control (SC-153H)	
	HPNLC1165AGSA	Panel, Control (SG-155H)	
	HPNLD1069AGSA	Panel, Smoked, Dial Scale (SC-153H)	
	HPNLD1071AGSA	Panel, Smoked, Dial Scale (SG-155H)	
	NPLYB0003AFZZ	Pulley, Dial Stringing	
	NSFTD0042AGFW	Shaft, Tuning	
	PSPAN0004SEZZ	Spacer, Headphone Jack	
	LX-BZ0119AGJB	Screw, 3ϕ x 10mm, Dial Scale	
	PSPAG0021AGZZ	Spacer, Rubber, Dial Scale	
SO3～ SO6	QSOCJ0203SEZZ	Socket, Speaker	
SO1	QSOCJ0501SEZZ	Socket, AUX Input	
SO2	QSOCJ0501SEZZ	Socket, PHONO Input (SC-153H)	
	QCNCM0401SGZZ	Socket, PHONO Input (SG-155H)	
	QSOCJ0204SEZZ	Socket, FM Antenna	
	QSOCN0702AGZZ	Plug, 7 Pin	
	QCNCW001FAGZZ	Plug, 6 Pin	
SW1 (A～J)	QSW-S0082AGZZ	Switch, Record/Playback	
SW2～ SW7	QSW-P0048AGZZ	Switch, AFC/FM FM STEREO/ AM/PHONO/TAPE	
SW8	QSW-B0010SEZZ	Switch, POWER	
SW9	QSW-S0093AGZZ	Switch, PAUSE	
SW10	B15-01	Switch, Motor	
SW11 (A～C)	QSW-R0063AGZZ	Switch, SPEAKERS	
	QFSHC2001SEZZ	Fuse Holder	
	LHLDW3002AFFD	Wire Holder	
	LHLDP8017AG09	Holder, FM STEREO Indicator	
	PCUSU0098AG00	Cushion, Shading	
	MSPRT0013AFFJ	Spring, Dial Stringing	
	QLUGL0207AGZZ	Lug Terminal, 2-terminal, 2-ground (SC-153H)	
	QLUGL0309AGZZ	Lug Terminal, 3-terminal, 2-ground (SG-155H)	
	QSOCJ0205SEZZ	Socket, AM Antenna	
	QACCV0001AGZZ	Cord, AC Supply (SEEG)	
	QACCZ0006AGS	Cord, AC Supply (SUK)	
	QACCS9001SE00	Cord, AC Supply (Switzerland)	
	QPLGA0205AGZZ	Plug, AC Supply (Switzerland) Cord	
	QACCK0001AGS	Cord, AC Supply	
	QACCZ0002AG08	Cord, AC Supply	
	QPLGA0201AGZZ	Plug, AC Supply Cord	
	LBSHC0002AGZZ	Bushing, AC Supply Cord	

REF. NO.	PART NO.	DESCRIPTION	
	LBSHC0004AGZZ	Bushing, AC Supply Cord	
	LANGH0046AGZZ	Bracket, Strengthen, Front/ Right (SC-153H)	
	LANGH0047AGZZ	Bracket, Strengthen, Rear/ Right (SC-153H)	
F501~ F503	QFS-C122BAGNI	Fuse, 1.25A	
F504	QFS-C801AAGNI	Fuse, 800mA	
F505	QFS-C321CAGNI	Fuse, 0.315A	

TAPE PLAYER PARTS

REF. NO.	PART NO.	DESCRIPTION	
001	KCOUB0031AGZZ	Tape Counter	
002	LANGF0237AGFD	Bracket, Tape Counter	
003	LANGJ0020AGFD	Bracket, Record/Playback Switch Connecting	
004	LANGT0345AGZZ	Bracket, Mechanism, Front	
005	LANGT0346AGZZ	Bracket Mechanism, Rear, Right	
006	LANGT0347AGZZ	Bracket, Mechanism, Rear, Left	
007	LHLDW3007AGZZ	Holder, Wire	
008	MLEVF0399AGFD	Lever, Record Connecting	
009	MSPRT0224AGFJ	Spring, Record/Playback Switch	
010	NBLTM0029AG00	Counter Belt	
011	HDECB0018AGS	Mirror	
012	GCABC0181AGSA	Lid, Cassette Compartment	
013	HINDM0811AGSA	Indication Plate, Tape Player	
014	HPNLC1156AGSA	Panel, Tape Player	
015	LANGA0029AGZZ	Bracket, Cassette Holder Retainer	
016	MLEVF0400AGZZ	Lever, Lock Lever	
017	MLEVP0025AG00	Lever, Lock, Cassette Compartment Lid	
018	MSPRP0089AGFJ	Spring, Cassette Retaining	
019	MSPRT0221AGFJ	Spring, Cassette Holder	
020	MSPRT0238AGFJ	Spring, Lock Lever Bracket	
021	PGUMM0055AG00	Rubber, Insulator	
022	PSPAG0022AG00	Spacer, Cassette Holder	
023	40A101	Main-chassis	
024	40A101-4	Cushion, Buttons	
025	40A102	Sub-chassis	
026	40A103	Pressure Roller	
027	40A104	Spring, Pressure Roller	
028	40A159	Ball, 2ϕ	
029	40A105	Ball, 2.5ϕ	
030	36A0057	Holder, Lead Wire	
031	RHEDH0013AGZZ	Head, Record/Playback (B21-03)	
032	RHEDA0010AGZZ	Head, Erase (B22-01)	
033	BOS-9	Lug, Terminal	
034	40A107	Spring, Head Azimuth	
035	40A108	Lever, Tape End Sensing	
036	40A109	Turntable, Take-up	
037	40A110	Turntable, Supply	
038	40A111	Idler, Rewind	
039	40A112	Roller, Fast Forward	
040	40A113	Lever, Brake Connecting	
041	40A114-1	Lever, Recording	
042	40A115	Block, Guide	
043	40A116	Lever, Brake	
044	40A117	Block, Record Safety Lever	
045	40A118	Lever, Record Safety	
046	40A119	Spring, Record Safety Lever	
047	40A120	Bearing, Capstan Shaft	
048	40A121	Lever, Auto Stop	
049	40A122	Lever, Auto Stop	
050	40A123	Spring, Auto Stop Lever	
051	40A124	Spring, Auto Stop Lever Return	
052	40A125	Spacer, Fast Forward Lever	
053	40A126	Lever, Fast Forward	
054	40A127	Spring, Fast Forward Roller	
055	40A128	Spring, Fast Forward Roller	
056	40A129	Lever, Over Stroke	
057	40A130	Ball, 3/16"ϕ	
058	40A131	Spring, Over Stroke, Plate	
059	40A132	Retainer, Sub-chassis	
060	40A133	Spring, Over Stroke	
061	40A134	Spring, Sub-chassis Return	
062	40A135	Guide, Take-up Idler	
063	40A136	Spring, Take-up Idler	
064	40A137	Flywheel	
065	40A138	Pulley, Take-up	
066	03E139	Belt, Drive	
067	40A140	Bracket, Flywheel	
068	40A141	Screw, Flywheel Thrust Adjust	
069	40A142	Idler, Take-up	
070	03E143	Bracket, Motor	
071	RMOTM0037AGZZ	Motor, With Pulley (B24-03)	
072	40A148	Push Button	
073	40A149	Shaft, Push Button	
074	40A150	Retainer, Push Button Shaft	
075	40A151	Spring, Push Button	
076	03E152	Spring, Record Connecting Lever	
077	40A153	Lever, Eject	
078	40A154	Lock, Push Buttons	
079	40A155	Spring, Push Buttons Lock	
080	40A157	Spring, Cassette Retaining	
081	QLUGL0302SEZZ	Lug Terminal, 3-terminal, 1-ground, Small	

A2608-2.5MNK
Printed in Japan